## Fig 1 (1)

1 tacaatgggg tggcggaggt gaagaaacgg ggttacttct atgctagaac gcaaggaaca 19ftf> vae v k k r g y f y a r t vae vnterqa 61 taaaaaaatg tataaaagcg gtaaaaattg ggcagtcgtt acactctcga ctgctgcgct yks gkn wavv tls taa 1 121 ggtatttggt gcaacaactg taaatgcatc cgcggacaca aatattgaaa acaatgattc 181 v f g att v n a sadt n i e n n d 181 ttctactgta caagttacaa caggtgataa tgatattgct gttaaaagtg tgacacttgg 38 s s t v q v t t g d n d i a v k s v t l 241 tagtggtcaa gttagtgcag ctagtgatac gactattaga acttctgcta atgcaaatag 58 g s g q v s a a s d t t i r t s a n a n 301 tgcttcttct gccgctaata cacaaaattc taacagtcaa gtagcaagtt ctgctgcaat 78 sassaan tqn snsq vas saa 361 aacatcatct acaagttccg cagcttcatt aaataacaca gatagtaaag cggctcaaga 98 its stssaasln ntdskaaq 421 aaatactaat acagccaaaa atgatgacac gcaaaaagct gcaccagcta acgaatcttc 118 ent n tak ndd t q kaapa ne s 481 tgaagctaaa aatgaaccag ctgtaaacgt taatgattct tcagctgcaa aaaatgatga 138 seak nepavn vnds saa knd 541 tcaacaatcc agtaaaaaga atactaccgc taagttaaac aaggatgctg aaaacgttgt 158 d q q s s k k n t t a k l n k d a 601 aaaaaaggeg ggaattgate etaacagttt aactgatgae eagattaaag cattaaataa 178 v k k a g i d p n s l t d d q i k a l n

# Fig 1 (2)

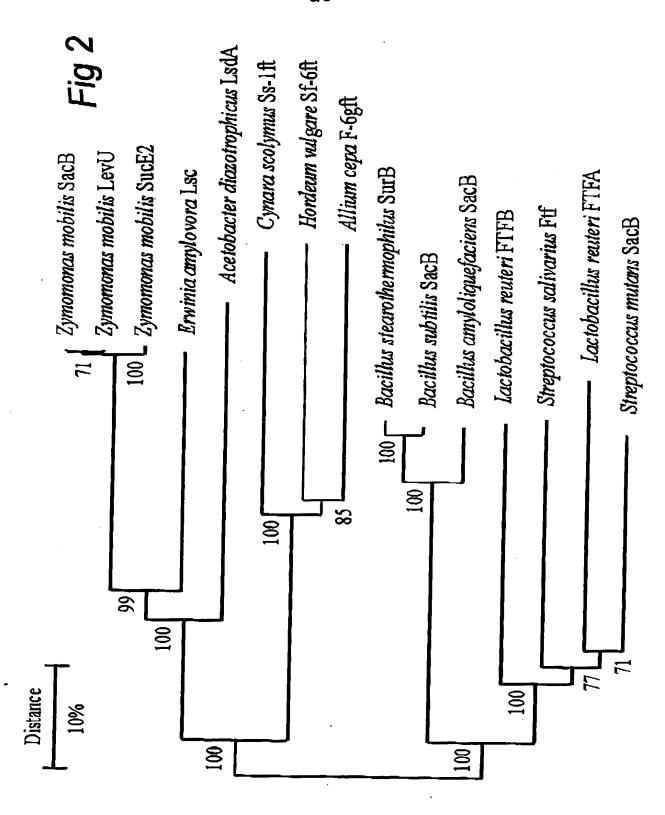
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358	n	h	q	k	i	a	5	a	t	1.	Y	1	t	Ö	l n	n	g	n	V	S	AC1(i)<>
1201	ca	ctc	aga	ta	cgaa	aato	ract	ata	atito	tatt	to	taac	ata	ra t	aact	att	ect.	200	פפפו	n++a	AC2(i)<>
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## Fig 1 (3)

- 1321 aattgaagat ggtaatggtg atcggtacct tgtttttgaa gcaagtactg gtttggaaaa 418 v i e d g n g d r y l v f e a s t g l e
- 1381 ttatcaaggc gaggaccaaa tttataactg gttaaattat ggcggagatg acgcatttaa 438 n y q g e d q i y n w 1 n y g g d d a f
- 1441 tatcaagage ttatttagaa ttettteeaa tgatgatatt aagagteggg caacttggge 458 n i k s l f r i l s n d d i k s r a t w
- 1501 taatgcagct atcggtatcc tcaaactaaa taaggacgaa aagaatccta aggtggcaga 478 a n a a i g i l k l n k d e k n p k v a
- 1561 gttatactca ccattaattt ctgcaccaat ggtaagcgat gaaattgagc gaccaaatgt 498 e l y s p l i s a p m v s d e i e r p n
- 1621 agttaaatta ggtaataaat attacttatt tgccgctacc cgtttaaatc gaggaagtaa 518 v v k l g n k y y l f a a t r l n r g s
- 1681 tgatgatgct tggatgaatg ctaattatgc cgttggtgat aatgttgcaa tggtcggata 538 n d d a w m n a n y a v g d n v a m v g
- 1741 tgttgctgat agtctaactg gatcttataa gccattaaat gattctggag tagtcttgac 558 y v a d s l t g s y k p l n d s g v v l
- 1801 tgcttctgtt cctgcaaact ggcggacagc aacttattca tattatgctg tccccgttgc
  578 t a s v p a n w r t a t y s y y a v p v
- 1861 cggaaaagat gaccaagtat tagttacttc atatatgact aatagaaatg gagtagcggg
   598 a g k d d q v l v t s y m t n r n g v a
  - 1921 taaaggaatg gattcaactt gggcaccgag tttcttacta caaattaacc cggataacac 12ftfi < 618 g k g m d s t w a p s f l l q i n p d n

## Fig 1 (4)

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658	3 e	n	1	d	m	ì	g	đ	1	đ	8	a	a	1	p	g	е	r	d	k	
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678	3 p	٧	d	W	đ	1	i	g	Y	g	1	k	p	h	<u>d</u>	р	a	t	<u>p</u>	n	
2161	to	cto	raaa	acq	ccaa	acta	acac	cac	raaa	cccc	to	iaga	cac	ct	aata	cto	:cca	aaa	cac	caaa	
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2281	tt	taa	cto	ca	qaaa	cqc	cta	ago	aac	ctqa	aa	CCC	aaa	ct	aata	atc	att	tac	cac	aaac	
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2341	tg	gaa	ata	at	gcca	ata	aag	cca	tga	ttgg	CC	tag	gta	tg	ggaa	cat	tgc	tta	qta	tgtt	
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2401	tg	gtc	ttg	ca	gaaa	tta	aca	aac	gtc	gatt	ta	acta	aaal	a	cttt	aaaa	ata	aaa	cca	ctaa	
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2461	gc	etta	aaa	t <b>t</b> (	cage	ttaa	acg	gttl	tttt	att	tta	aaaa	igti	t	ttatt	gta	aaa	aaac	icqa	att	
2521	ato	att	:aat	a	taat	gca	aat	tgtt	gta	laga	cct	tac	gac	a	gtagt	aac	aa	tgaa	ıttt	gcc	
																		-		-	
2581	cat	ctt	tgt	c g	ıg																NheI



## Fig 3

The N-terminal sequence of FTFB (levansucrase):
(A) Q V E S N N Y N G V A E V N T E R Q A N G Q I (G) (V) (D).

Internal peptide sequences of FTFB (levansucrase):

- (M) (A) H L D V W D S W P V Q D P (V),
- NAGSIFGT(K),
- V(E)(E) VYSPKVSTLMASDEVE.

3. amyloliquefaciens SacB	80	GLDVMDSWPLQNAD 93		
3. subtilis SacB	82	GLDVWDSWPLQNAD 95		
S. mutans SacB	243	DLDVWDSWPVQDAK 256		
S. salivarius Ftf	282	KIDVWDSWPVQDAK 295	٠.	
		*******		
<b>3</b>				
3. amyloliquefaciens SacB	156	<b>QTQENSGSAT</b> FTSDGK	171	
3. subtilis SacB	158	QT <b>QEMSGSAT</b> FTSDGK	173	
S. mutans SacB	312	LTQEWSGSATVNEDGS	327	
S. salivarius Ftf	351	DDQQWSGSATVNSDGS	366	
		** ** *******		
12ftfi				
3. amyloliquefaciens SacB	440	Katfgpsflmn	450	
3. subtilis SacB	440	OSTFAPSFILN	450	
S. mutans SacB	609	<b>NSTWAPSFLIQ</b>	619	
S. salivarius Ftf	655	KSTWAPSFLIK	999	
		",我会长女"。我,"		

